

FIG. 12a

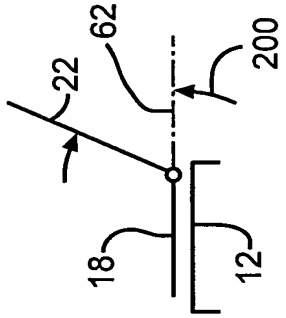


FIG. 12b

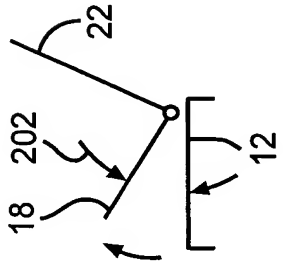


FIG. 12c

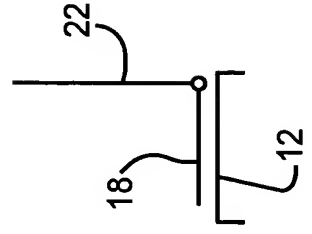


FIG. 12d

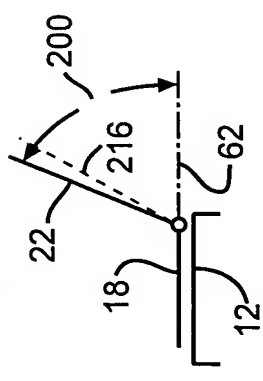


FIG. 13a

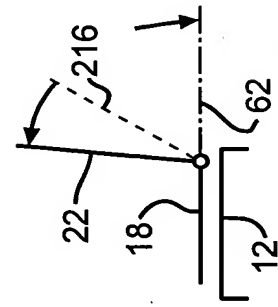


FIG. 13b

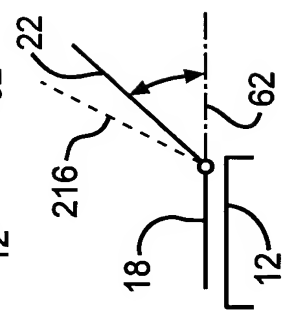


FIG. 13c

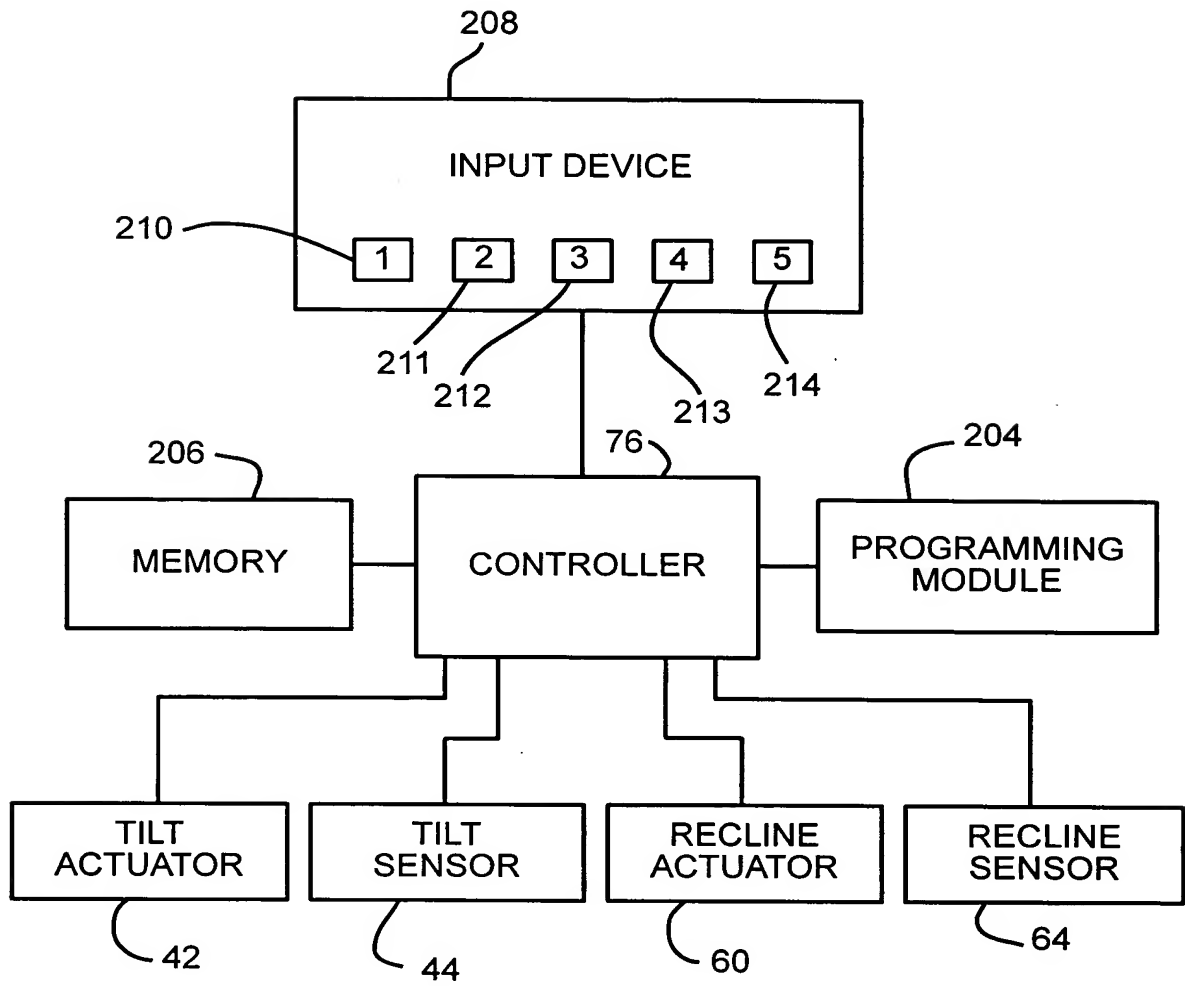


FIG. 14

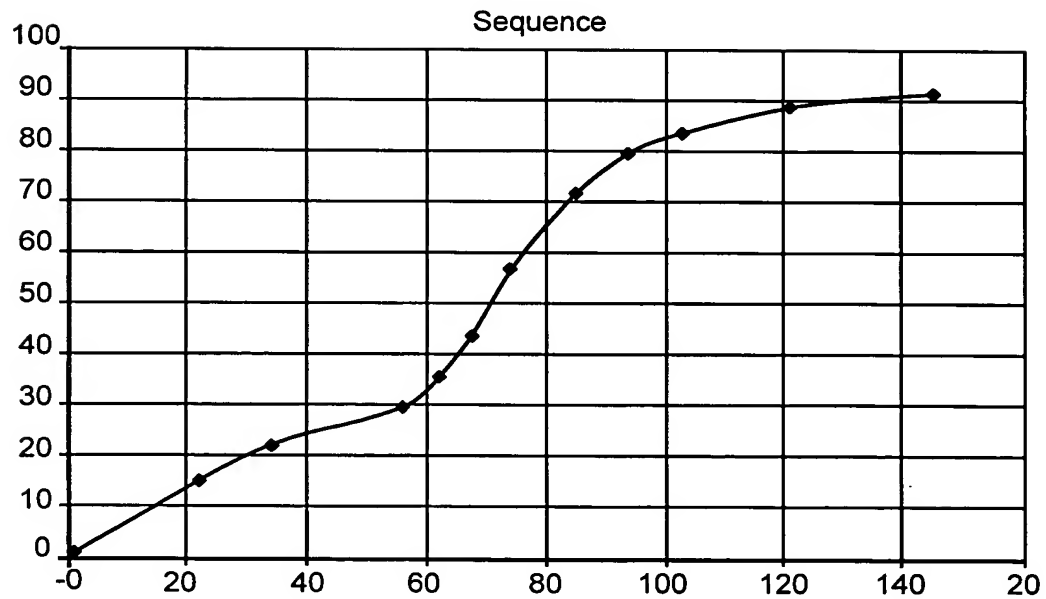
Name of Inventor: James M. Koerlin
Name & Telephone Number of Person to Call If Necessary:
Ted C. Gillespie: (419) 255-5900
Serial No. 10/616,465
Sheet 10 of 11

Docket No.
1-24510

Table I - Sequence of Setpoints

Step Number	Position of first articulated member	Position of second articulated member
1	1	1
2	22	15
3	34	22
4	56	30
5	62	36
6	68	44
7	74	57
8	85	72
9	94	80
10	103	84
11	121	89
12	145	92

—FIG. 15



—FIG. 16

Name of Inventor: James M. Koerlin
Name & Telephone Number of Person to Call If Necessary:

Ted C. Gillespie: (419) 255-5900
Serial No. 10/616,465 Docket No. 1-24510
Sheet 11 of 11

Actuator 1

$$x = 3 + 4t + .5t^2$$

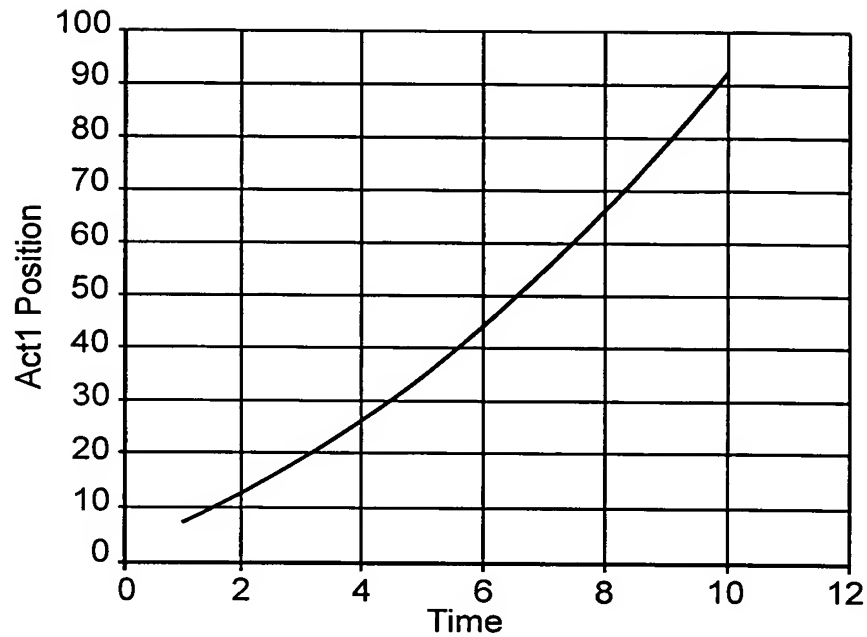


FIG. 17

Actuator 2

$$y = 1 + 6t - .4t^2$$

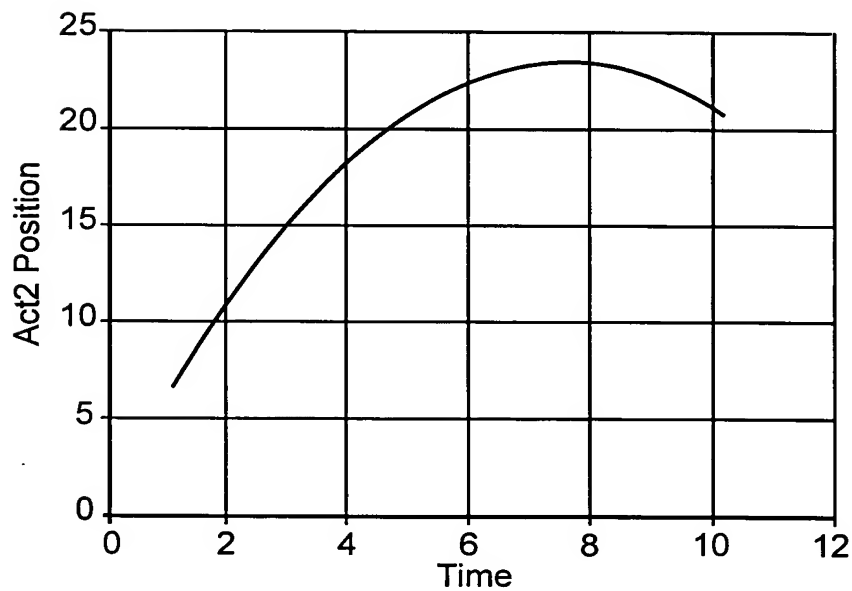


FIG. 18